Piedmont Improvement Program

Notice Number 001

NOTICE TO THE GENERAL ASSEMBLY COMPLIANCE WITH G.S.136-44.36(b)

NCDOT RAIL DIVISION

Rail Federal Funds Grants

A	☐ This notice constitutes formal request in accordance with provision G.S.136-44.36 (b) ☐ *Request* for Consultation ☐ *Request* for Approval
B	☑ Informational Purposes Only ☐ *Funding Prior to July 1st, 2011* ☑ *Below Match / Operational / Maintenance Levels*

DESCRIPTION OF WORK FOR EXPENDITURE

This competitive project application requests discretionary grant funding provided by Section 1103(f) of SAFETEA-LU under the title "Rail-Highway Crossing Hazard Elimination in High-Speed Rail Corridors" which is available for grade crossing safety improvements located along federally-designated High-Speed Rail (HSR) Corridors. The elements of this proposed Phase II project application are interrelated components that build upon and enhance the benefits of the 2010 ARRA-funded infrastructure projects and the FY-2010 discretionary grant awarded to NCDOT in September. The later grant provides for the use of Vehicle Detection System (VDS) Radar at selected crossings along the Sealed Corridor between Raleigh and Charlotte. NCDOT chose VDS Radar for improvements to ensure that appropriate rail and highway traffic control measures would be utilized to address operational and safety issues present at the crossings at North 5th Street in Mebane and Williamson Avenue in Elon. Given the high exposure rate of train and vehicle conflicts, frequency of train-vehicle crashes, severity of the most recent train-vehicle crashes, and NCDOT's proactive approach to safety issues, NCDOT will employ the innovative exit-gate detection system at four additional short-throat crossings. This Phase II project includes crossings at South 3rd Street in Mebane, Oak Avenue in Elon, East 1st Street in Kannapolis, and Winecoff School Road in Concord.

VDS detects vehicles traversing the crossing in order to delay or reverse the descent of exit gates thus creating exit paths for vehicles that may otherwise be trapped on the crossing. Radar VDS is an out-of-pavement detection method, preferred in the vicinity of crossings over in-pavement detection due to disruption and replacement in the event of crossing rehabilitation, construction, or maintenance. The use of out-of-pavement detection decreases exposure to traffic, both rail and vehicular, of personnel maintaining the equipment.

Grant funds will be used to design and construct the improvements at four locations which will include the installation of the exit-gate detection system and upgrading the crossing circuitry to accommodate exit-gate detection. Specific activities fall under the headings of Railroad and Traffic Engineering, Construction, Inspection, and Administration.

FUNDING SOURCE DETAILS

Federal Funding Awarded to NCDOT on:	Not Awarded: Application submitted 01-06-2012
Amount State Matching Funds Required:	$101,200
Amount of Future Estimated State Operations Costs for the Next 25 years:	$60,000
Amount of Non-State Source Funds:	$404,800

TIP No.: TBD

Project No.: TBD

Description: Technology Improvements at Certain At-Grade Crossings

Component: ☐ Track & Structures ☐ Equipment ☐ Stations & Facilities

USDOT Agreement No. _____

Amendment No. _____

Amendment Effective Date: _____

Federal Funding Period: _____ to _____

Total Agreement Amount:

FUNDING NOTICE PROVIDED BY:

SIGNED: _____ Date: 1-4-2012
Rail Division Branch Manager

SIGNED: _____ Date: 1.11.12
Patrick Simmons - Director of Rail Division

FUNDING NOTICE APPROVED BY:

SIGNED: _____ Date: 01.04.12
Paul Morris, FSLA - Deputy Secretary for Transit